

C L A I M S

1. A pipe cleaning system capable of cleaning an inside and an outside of a pipe, comprising:

(a) an interior cleaning member being adapted to clean the inside of the pipe;

(b) an exterior cleaning member being adapted to clean the outside of the pipe;

(c) a joining means for removably securing the interior cleaning member to the exterior cleaning member;

(c) a joining means for removably securing the interior cleaning member to the exterior cleaning member;

(d) the interior cleaning member having a male housing;

(e) the male housing having a drive member and a male cleaning member mounted thereon to form the interior cleaning member;

(f) the exterior cleaning member having a female housing adapted to receive the male housing;

(g) the exterior cleaning member having a female housing and a female cleaning member adapted to receive the male housing;

(g) the exterior cleaning member having a female housing adapted to receive the male housing; and

(h) the exterior cleaning member having a female housing and a female cleaning member adapted to receive the pipe.

2. The pipe cleaning system of Claim 1 further, comprising:

(a) the joining system being a flag system;

(b) the male housing having at least two male flag attachment devices thereon;

(c) the female housing having at least two female flag attachment devices thereon;

(d) each male member of the at least two at least two male flag attachment devices having a corresponding female member in the at least two female flag attachment devices; and

(e) each male member being adapted to cooperate with the corresponding female member.

3. The pipe cleaning system of Claim 2 further, comprising:

(a) the female housing having a conical shape;

(b) the male housing having a conical shape;

(c) the female housing being adapted to receive the male housing; and

(d) the female housing being releasably attachable to the male housing.

4. The pipe cleaning system of Claim 3 further, comprising:

- (a) the female housing having an arced conical shape;
- (b) the male housing having an arced conical shape;
- (c) the female housing being adapted to receive the male

housing; and

(d) the female housing being releasably attachable to the male housing.

5. The pipe cleaning system of Claim 2 further, comprising:

- (a) the female housing having a cylindrical shape;
- (b) the male housing a cylindrical shape;
- (c) the female housing being adapted to receive the male

housing; and

(d) the female housing being releasably attachable to the male housing.

6. The pipe cleaning system of Claim 2 further, comprising:

- (a) the drive member being a drill mounting post;
- (b) the drill mounting post being receivable in a power

drill; and

(c) the female housing being releasably attachable to the male housing with the mounting post secured in the power drill.

7. The pipe cleaning system of Claim 2 further, comprising:

(a) the at least two female flag attachment devices being six female flag attachment devices; and

(b) the at least two male flag attachment devices being six male flag attachment devices.

8. The pipe cleaning system of Claim 7 further, comprising:

(a) the female housing having a conical shape;

(b) the male housing having a conical shape;

(c) the female housing being adapted to receive the male housing; and

(d) the female housing being releasably attachable to the male housing.

9. The pipe cleaning system of Claim 8 further, comprising:

(a) the female housing having an arced conical shape;

(b) the male housing having an arced conical shape;

(c) the female housing being adapted to receive the male housing; and

(d) the female housing being releasably attachable to the male housing.

10. The pipe cleaning system of Claim 7 further, comprising:

- (a) the female housing having a cylindrical shape;
- (b) the male housing a cylindrical shape;
- (c) the female housing being adapted to receive the male housing; and

(d) the female housing being releasably attachable to the male housing.

11. The pipe cleaning system of Claim 10 further, comprising:

- (a) the drive member being a drill mounting post;
- (b) the drill mounting post being receivable in a power drill; and

(c) the female housing being releasably attachable to the male housing with the mounting post secured in the power drill.

12. The pipe cleaning system of Claim 7 further, comprising:

(a) the at least two female flag attachment devices being six female flag attachment devices; and

(b) the at least two male flag attachment devices being six male flag attachment devices.

13. The pipe cleaning system of Claim 1 further, comprising:

(a) the joining system being a bayonet system;

(b) the male housing having at least two male bayonet attachment devices thereon;

(c) the female housing having at least two female bayonet attachment devices thereon;

(d) each male member of the at least two at least two male bayonet attachment devices having a corresponding female member in the at least two female bayonet attachment devices; and

(e) each male member being adapted to cooperate with the corresponding female member.

14. The pipe cleaning system of Claim 13 further, comprising:

(a) the female housing having a conical shape;

(b) the male housing having a conical shape;

(c) the female housing being adapted to receive the male housing; and

(d) the female housing being releasably attachable to the male housing.

15. The pipe cleaning system of Claim 14 further, comprising:

- (a) the female housing having an arced conical shape;
- (b) the male housing having an arced conical shape;
- (c) the female housing being adapted to receive the male

housing; and

(d) the female housing being releasably attachable to the male housing.

16. The pipe cleaning system of Claim 13 further, comprising:

- (a) the female housing having a cylindrical shape;
- (b) the male housing a cylindrical shape;
- (c) the female housing being adapted to receive the male

housing; and

(d) the female housing being releasably attachable to the male housing.

17. The pipe cleaning system of Claim 13 further, comprising:

- (a) the drive member being a drill mounting post;
- (b) the drill mounting post being receivable in a power

drill; and

(c) the female housing being releasably attachable to the male housing with the mounting post secured in the power drill.

18. The pipe cleaning system of Claim 17 further, comprising:

(a) the at least two female bayonet attachment devices being six female bayonet attachment devices; and

(b) the at least two male bayonet attachment devices being six male bayonet attachment devices.

19. The pipe cleaning system of Claim 18 further, comprising:

(a) the female housing having a conical shape;

(b) the male housing having a conical shape;

(c) the female housing being adapted to receive the male housing; and

(d) the female housing being releasably attachable to the male housing.



20. The pipe cleaning system of Claim 19 further,  
comprising:

- (a) the female housing having an arced conical shape;
- (b) the male housing having an arced conical shape;
- (c) the female housing being adapted to receive the male

housing;

- (d) the female housing being releasably attachable to  
the male housing;

- (e) the drive member being a drill mounting post;

- (f) the drill mounting post being receivable in a power  
drill; and

- (g) the female housing being releasably attachable to  
the male housing with the mounting post secured in the power  
drill.